

200313825-1

10/769,355

IN THE CLAIMS:

Please amend the claims as follows:

1-6. (cancelled)

7. (currently amended) A light generation assembly, comprising:

an integrated unit including an integral reflector and heat sink, and a lamp receiving opening defined in said integral reflector and heat sink;

a lamp assembly replaceably coupled to said integrated unit and extending at least partially through said lamp receiving opening, wherein a base of said lamp assembly is attached to said integrated unit with tabs on said integrated unit;

a housing configured to contain said integrated unit and lamp assembly and to facilitate movement of said light generation assembly between an operating configuration and a lamp replacement configuration; and

~~a fan assembly coupled to said housing, wherein said integrated unit is in a flow path of said fan assembly when in said operating configuration and at least partially out of said flow path of said fan assembly when in said lamp replacement configuration.~~

8. (original) The assembly of claim 7, wherein said integral reflector and heat sink comprises a plurality of cooling fins.

9. (original) The assembly of claim 7, wherein said integral reflector and heat sink comprises a metallic material.

200313825-1

10/769,355

10. (original) The assembly of claim 9, wherein said metallic material comprises zinc.

11. (original) The assembly of claim 9, wherein said metallic material comprises aluminum.

12. (currently amended) A light generation assembly, comprising:
an integrated unit including an integral reflector and heat sink, and a lamp receiving opening defined in said integral reflector and heat sink;
a lamp assembly replaceably coupled to said integrated unit and extending at least partially through said lamp receiving opening;
a housing configured to facilitate movement of said integrated unit between an operating configuration and a lamp replacement configuration; and
a fan assembly coupled to said housing, wherein a central axis is defined through said integrated unit, said lamp assembly, said housing and said fan assembly, said fan assembly being aligned to blow along said central axis and said reflector of said integrated unit being aligned to direct light along said central axis;
further comprising guide rods ~~slidingly~~ coupled to said housing ~~through holes defined in said housing~~ and coupled to said integrated unit, wherein said lamp assembly and integrated unit slide on said guide rods laterally and substantially normal to said central axis to move said light generation assembly for facilitating said movement between said operating configuration and said lamp replacement configuration, ~~wherein said operating configuration comprises locating said integrated unit within said housing and said lamp replacement configuration comprises locating said integrated unit at least partially outside of said housing.~~

200313825-1

10/769,355

13. (previously presented) A light generation assembly, comprising:

- an integrated unit including an integral reflector and heat sink, and a lamp receiving opening defined in said integral reflector and heat sink;
- a lamp assembly replaceably coupled to said integrated unit and extending at least partially through said lamp receiving opening;
- a housing configured to facilitate movement of said integrated unit between an operating configuration and a lamp replacement configuration; and
- a fan assembly coupled to said housing;

further comprising guide rails coupled to said housing and said fan assembly for moving said fan assembly between an operating configuration in which said fan assembly is substantially inline with said integrated unit and a lamp replacement configuration in which said fan assembly is substantially offline with said integrated unit.

14. (previously presented) A light generation assembly, comprising:

- an integrated unit including an integral reflector and heat sink, and a lamp receiving opening defined in said integral reflector and heat sink;
- a lamp assembly replaceably coupled to said integrated unit and extending at least partially through said lamp receiving opening;
- a housing configured to facilitate movement of said integrated unit between an operating configuration and a lamp replacement configuration; and
- a fan assembly coupled to said housing;

further comprising guide rails coupling said fan assembly and said housing, and a linkage member coupling said integrated unit and said fan assembly such that, when said fan

200313825-1

10/769,355

assembly is moved along said guide rails away from said housing, said integrated unit is exposed and rotated by said linkage member with respect to said housing.

15-17. (cancelled)

18. (currently amended) A method of using a light generation assembly, comprising:
placing said light generation assembly in an operating configuration in which a fan assembly coupled to a housing is placed near an integral reflector and heat sink contained in said housing;

selectively operating a lamp assembly which is replaceably coupled to said integral reflector and heat sink;

removing heat generated by said operating of said lamp assembly by flowing air over said integral reflector and heat sink with said fan assembly; and

when replacing said lamp assembly, sliding ~~either said integral reflector and heat sink or~~ said fan assembly with respect to said housing to provide access to said lamp assembly.

19-20. (cancelled)

21. (previously presented) A method of using a light generation assembly, comprising:
placing said light generation assembly in an operating configuration in which a fan assembly is placed near an integral reflector and heat sink;

selectively operating a lamp assembly which is replaceably coupled to said integral reflector and heat sink;

200313825-1

10/769,355

removing heat generated by said operating of said lamp assembly by flowing air over said integral reflector and heat sink with said fan assembly;

replacing said lamp assembly by moving said light generation assembly to a lamp replacement configuration to facilitate access to said lamp assembly, removing said lamp assembly from said integral reflector and heat sink, coupling a new lamp assembly to said integral reflector and heat sink, and moving said lamp generation assembly to an operating configuration;

wherein moving said light generation to a lamp replacement configuration comprises moving said fan assembly away from said integral reflector and heat sink and wherein said moving said light generation assembly to an operating configuration comprises moving said fan assembly toward said integral reflector and heat sink.

22. (previously presented) The method of claim 21, wherein said lamp assembly, integral reflector and heat sink, and said housing are located on a common axis and moving said fan assembly comprises moving said fan assembly substantially normally to said common axis

23. (original) The method of claim 21, wherein said lamp assembly, integral reflector and heat sink, and said housing are located on a common axis and moving said fan assembly comprises moving said fan assembly along said common axis.

24. (original) The method of claim 23, further comprising causing said integral reflector and heat sink to rotate with respect to said housing in response to moving said fan assembly.

200313825-1

10/769,355

25. (cancelled)

26. (previously presented) A method of forming a light generation assembly, comprising:
forming an integral reflector and heat sink having a reflecting portion and a lamp
receiving opening defined therein;
coupling said integral reflector and heat sink to a housing;
coupling a fan assembly to said housing; [[and]]
replaceably coupling a lamp assembly to said integral reflector and heat sink extending at
least partially through said lamp receiving opening; and

defining a central axis through said reflector, said lamp assembly, said housing and said
fan assembly, said fan assembly being aligned to blow along said central axis and said
reflector being aligned to direct light along said central axis;

wherein coupling said integral reflector and heat sink to said housing comprises forming
guide holes in said housing and coupling guide rods to said integral reflector and heat sink
and to said guide rods whereby said displacement of said guide rods with respect to said guide
holes causes said integral reflector and heat sink to be moved laterally and substantially
normal to said central axis from an operating configuration within said housing to a lamp
replacement configuration at least partially outside of said housing.

27. (previously presented) A method of forming a light generation assembly, comprising:
forming an integral reflector and heat sink having a reflecting portion and a lamp
receiving opening defined therein;
coupling said integral reflector and heat sink to a housing;
coupling a fan assembly to said housing; and

200313825-1

10/769,355

replaceably coupling a lamp assembly to said integral reflector and heat sink extending at least partially through said lamp receiving opening;

wherein coupling said fan assembly to said housing comprises coupling guides to said housing wherein is located said integral reflector and heat sink and moveably coupling said fan assembly to said guide rails so as to facilitate movement of said fan assembly from an operating configuration near said integral reflector and heat sink to a lamp replacement configuration at a second location away from said integral reflector and heat sink.

28. (original) The method of claim 27, further comprising locating said lamp assembly, integral reflector and heat sink, and said housing on a common axis so as to facilitate movement of said fan assembly substantially normal to said common axis between said operating configuration and said lamp replacement configuration.

29. (original) The method of claim 27, further comprising locating said lamp assembly, integral reflector and heat sink, and said housing on a common axis so as to facilitate movement of said fan assembly wherein said fan assembly is moved along said common axis between said operating configuration and said lamp replacement configuration.

30. (original) The method of claim 29, further comprising coupling a linkage member to said fan assembly and said integral reflector and heat sink through a slot in said housing whereby said integral reflector and heat sink rotated with respect to said housing in response to movement of said linkage member due to movement of said fan assembly.

200313825-1

10/769,355

31. (previously presented) The method of claim 27, further comprising forming cooling fins on said integral reflector and heat sink.

32-33. (cancelled)

34. (previously presented) The light generation assembly of claim 14, further comprising a curved slot in said housing through which said linkage member is coupled to said integrated unit.

35. (currently amended) The light generation assembly of claim 7, wherein said integrated unit is supported on guide rods and is moved laterally on said guide rods out of said housing to place said light generation assembly in said lamp replacement configuration.

36. (currently amended) The light generation assembly of claim 7, wherein said ~~lamp~~ fan assembly moves laterally with respect to said housing to place the light generation assembly in said lamp replacement configuration.

37. (currently amended) The light generation assembly of claim 7, wherein said ~~lamp~~ fan assembly moves away from said housing along an optical axis of said light generation assembly, said movement of said lamp assembly exposing said integrated unit and rotating said integrated unit with respect to said housing to place the light generation assembly in said lamp replacement configuration.

200313825-1

10/769,355

38. (previously presented) The method of claim 18, further comprising sliding said fan assembly laterally with respect to said housing to provide access to said lamp assembly.

39. (cancelled)

40. (previously presented) The method of claim 18, further comprising sliding said fan assembly away from said housing and causing said integral reflector and heat sink to rotate with respect to said housing to provide access to said lamp assembly.